

**International Symposium on Clean Energy Technology 2007  
(ISCET 2007)**

East China University of Science and Technology (ECUST)  
November 21-23, 2007  
130 Meilong Road, Shanghai, China

**About this conference**

The International Symposium on Clean Energy Technology sponsored by East China University of Science and Technology (ECUST) will be held on November 21-23, 2007 in Shanghai, China (<http://biotech.ecust.edu.cn/SKLBE/ISCET/index.html>). The symposium is organized by two Chinese state key laboratories, the State Key Laboratory of Bioreactor Engineering (SKLBE), and State Key Laboratory of Chemical Engineering (SKLCE). The theme is Energy - Chemical Engineering Approach, and topics include Biomass Energy, Clean Coal Technology, and Intensification on Petroleum Production and Utilization. The selected presentations on biomass energy will be peer-reviewed and may be published as a Special Issue of the SCI-cited international journal "Process Biochemistry" (Elsevier).

The period of this event is specially arranged to link to the 4th Annual Conference of Chemical Engineering/Biochemical Engineering of China to be held on Nov. 26-29, 2007 in Hangzhou, China. The place is only about two hours to Shanghai by train. We encourage an early submission of high quality papers to this symposium.

Abstracts of original research are invited for either oral or poster presentations. The organizers and members of the scientific advisory board will review the abstracts and notify each submitter whether their abstract have been accepted for an oral or poster presentation. The abstract should include results and conclusions in order to allow a scientific assessment of the work. **Please submit the abstract by email attachment before June 30th, 2007 or until conference is full.**

The topics and sub-topics of the International Symposium on Clean Energy Technology 2007 include:

**1. Biomass Energy**

Bioethanol from lignocellulosic biomass  
Biodiesel: catalysis and feedstock options  
Biogasification for synthetic fuel production  
Biopower for heating and electricity  
Bio-hydrogen production  
Pilot and demonstration of integrated biorefineries

**2. Clean Coal Technology**

Coal gasification for hydrogen and syngas  
Direct and indirect liquefaction of coal  
Power generation by integrated gasification combined cycle (IGCC)  
Coal-based co-production system  
Reduction of carbon dioxide release  
Ethanol/ether fuel and methanol to olefins (MTO)

### **3. Intensification on Petroleum Production and Utilization**

Microbiological and biogeochemical methods for oil recovery  
Residual oil conversion to natural gas in-situ petroleum reservoir  
Molecular differentiation and reaction chemistry of petroleum hydrocarbons  
Directed the synthesis of oxo-organic compounds  
Pathway engineering for clean hydrocarbon fuel

#### **Organizers:**

State Key Laboratory of Bioreactor Engineering of China, and State Key Laboratory of Chemical Engineering of China, East China University of Science and Technology, China

#### **Conference Chairs**

Robert C. Armstrong

Professor of Chemical Engineering, Massachusetts Institute of Technology, USA

Weikang Yuan

Professor of East China University of Science and Technology, and the Member of the Chinese Academy of Engineering, China

#### **International Scientific Advisory Committee**

Robert C. Armstrong, Massachusetts Institute of Technology, USA

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Weikang Yuan, East China University of Science and Engineering, China

Min Zhang, National Renewable Energy Laboratory, Golden, CO, USA

Y.-H. Percival Zhang, Virginia Polytechnic Institute and State University, Blacksburg, VA, USA

Jianjiang Zhong, Shanghai Jiao Tong University, China

### **Plenary or Key-Note Speakers**

De Chen, Norwegian University of Science and Technology, Norway

Feng Han, DuPont Asia Pacific, China

Yi Liu, Jilin Fuel Ethanol Co. Ltd, Petro China, China

Lingai Luo, Université de Savoie, Le Bourget-Du-Laccedex, France

Tamara N. Nazina, Winogradsky Institute of Microbiology, Russia

Sunghoon Park, Pusan National University, Pusan, Korea

Peter L Rogers, The University of New South Wales, Sydney, Australia

Dewey D.Y. Ryu, University of California, Davis, CA, USA

James N Seiber, USDA Western Regional Research Center, Albany, CA, USA

L. Douglas Smoot, Brigham Young University, Provo, Utah, USA

Fuchen Wang, East China University of Science and Technology, China

Yongjie Yan, East China University of Science and Technology, China

Jian Yu, Shanghai Clean Energy Research and Promotion Center, China

Min Zhang, National Renewable Energy Laboratory, Golden, CO, USA

Y.-H. Percival Zhang, Virginia Polytechnic Institute and State University, Blacksburg, VA, USA

Guojing Zhao, Shanghai Shenneng New Energy Co. Ltd, China

### **Organization Committee**

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Members: Daniel Auriel, Bayer Technology Service, China

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Jianjiang Zhong, East China University of Science and Technology, China

Zhijie Zhou, East China University of Science and Technology, China

Xingguo Zhou, East China University of Science and Technology, China

### **Accommodation**

Shanghai Airlines Travel Hotel is a three-star hotel and in downtown area of Shanghai, 15 minutes walking distance from East China University of Science and Technology, the conference location. The hotel is approximately 1 hour driving distance from Pudong International Airport of Shanghai.

### **Conference Fees**

Regular: US\$300  
Student: US\$200  
Accompanying person: \$150

The Conference fee includes registration, meals, abstract book of the conference, snack lunches, a banquet and a half-day tour of Shanghai.

### **Contact Information**

If you know of colleagues who would be interested in this conference, please direct them to this website. For further information, please contact: Dr. Jie Bao ([jbao@ecust.edu.cn](mailto:jbao@ecust.edu.cn))

Address:

State Key Laboratory of Bioreactor Engineering, or State Key Laboratory of Chemical Engineering  
East China University of Science and Technology, 130 Meilong Road, Shanghai 200237, China  
Tel & Fax: 86-21-6425-2250

### **Application Form**

Name:

Job Title: Mr.      Ms.      Dr.      Prof.      (select)

Organization:

Mailing Address:    City:

State/Prov:

Postal Code:

Country:

Telephone:

Fax:

Email Address:

### **Abstract Submission**

Abstracts and a graphical summary should be prepared using the instructions and template below.

**Please submit this the abstract by email attachment before June 30th, 2007.**

### **Publication of Abstracts**

Abstracts will be published in the conference program, which will be distributed to all participants.

### **Instructions**

*Title* (Please choose a short insightful title)

*Authors* (First & middle initials & last name of all contributing authors; mark the presenting author with an asterisk)

*Affiliation* (Include the department, university, and mailing address)

*Contact* (Please provide the email address for the corresponding author)

*Graphical summary*: The graphic may be no wider than 6.5 inches (16.5 cm) and no taller than 2 inches (5 cm). Text in the graphic is limited to the labeling of compounds, reaction arrows, and

diagrams. Please choose Arial font type, preferably at 8 pt but no smaller than 6 pt.

*Abstract* (maximum 1000 words): Provide a two or three-paragraph summary. Please outline the problem(s) and underlying hypothesis for your project, as well as the experimental approach, results and the conclusions from your work. Literature references maybe integrated in the text.

SUBMIT ABSTRACT to [jbao@ecust.edu.cn](mailto:jbao@ecust.edu.cn) or [bioreactor@ecust.edu.cn](mailto:bioreactor@ecust.edu.cn)